

ABSTRACT

A method and system for determining whether a situation is logically true or false upon occurrence of an event uses conditions associated with the situation in combination with current values of parameters related thereto to create and maintain a database of current thresholds each corresponding to respective limits
5 which characterize the situation and at least one of which is a composite threshold that encapsulates multiple conditions that can be directly compared with a single parameter associated with an event. Responsive to an event, successive parameters associated with the event are compared with respective ones of the current thresholds until either there are no more thresholds to be compared or until it can be
10 definitively established that the situation is logically true or false. Prior to processing a subsequent event, the current database thresholds are updated.